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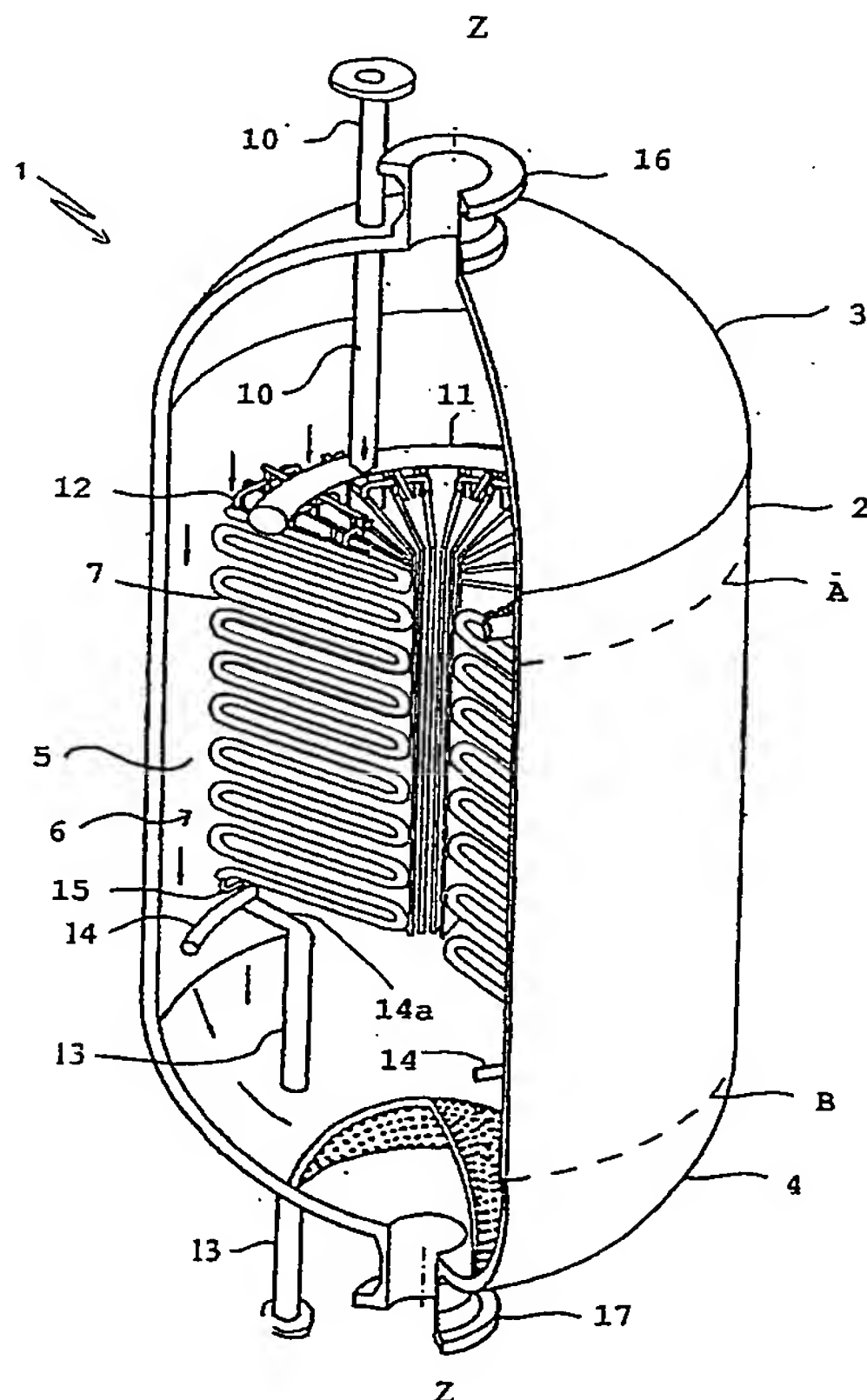
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(54) Title: PSEUDO-ISOTHERMAL CHEMICAL REACTOR FOR HETEROGENEOUS CHEMICAL REACTIONS

(57) Abstract: Pseudo-isothermal chemical reactor for heterogeneous  
chemical reactions comprising a substantially cylindrical shell closed  
at the opposite ends by respective bottoms, upper and lower, a reaction  
zone containing at least one catalytic bed and at least one tubular heat  
exchanger, intended to be crossed, along a predetermined direction, by  
an operating heat exchange fluid and embedded in said catalytic bed.



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